

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/009,17/A

Source: 1FW/6

Date Processed by STIC: 4/8/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 04/08/2005

PATENT APPLICATION: US/10/009,171A

TIME: 15:24:28

Input Set : A:\10009171.txt

Output Set: N:\CRF4\04082005\J009171A.raw

```

3 <110> APPLICANT: Andrew LEVER
4     Jane GREATOREX
5     Eamon McCANN
6     Preetha BALAN
7     Joan THOMAS
9 <120> TITLE OF INVENTION: SIV-BASED PACKAGING-DEFICIENT VECTORS
11 <130> FILE REFERENCE: 117-372 / N79496C
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/009,171A
14 <141> CURRENT FILING DATE: 2002-04-16
16 <150> PRIOR APPLICATION NUMBER: PCT/GB00/02263
17 <151> PRIOR FILING DATE: 2000-06-09
19 <150> PRIOR APPLICATION NUMBER: GB 9916911.2
20 <151> PRIOR FILING DATE: 1999-07-19
22 <150> PRIOR APPLICATION NUMBER: GB 9913459.5
23 <151> PRIOR FILING DATE: 1999-06-09
25 <160> NUMBER OF SEQ ID NOS: 15
27 <170> SOFTWARE: MS Word
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 85
31 <212> TYPE: DNA
32 <213> ORGANISM: Simian immunodeficiency virus
34 <400> SEQUENCE: 1
35 agaactcctg agtacggcct gagtgaaggc agtaagggcg gcaggaacca accacgacgg 60
36 agtgctccta taaaggcgca ggctcg                                     85
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 50
40 <212> TYPE: DNA
41 <213> ORGANISM: Simian immunodeficiency virus
43 <400> SEQUENCE: 2
44 gaaatagctg tcttggtacc aggaagggat aataagatag attgggagat          50
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 30
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
55 <400> SEQUENCE: 3
56 agtgagaaga actccaccac gacggactgc                                30
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 27
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:

```

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65 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
67 <400> SEQUENCE: 4
68 ccaaccacga cggaggcgtg aggagcg                                27
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 32
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
79 <400> SEQUENCE: 5
80 cggttgcagg taagtgaag tgggagatgg gc                            32
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 29
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonucleotide
91 <400> SEQUENCE: 6
92 gcaacacaaa aaaagagtgg gagatgggc                                29
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 40
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
103 <400> SEQUENCE: 7
104 atgggaattc gtttcgtttc tcgcgcccat ctcccactct                    40
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 30
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
115 <400> SEQUENCE: 8
116 taatggatcc agattggcgc ctgaacaggg                                30
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 26
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide
127 <400> SEQUENCE: 9
128 ctttgaattc accgagtacc gagttg                                    26
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 27
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
oligonucleotide

```

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```

139 <400> SEQUENCE: 10
140 tttgggatcc tacccagaag agtttgg                27
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 262
145 <212> TYPE: RNA
146 <213> ORGANISM: Simian immunodeficiency virus
148 <400> SEQUENCE: 11
149 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug    60
150 aaggcaguaa gggcggcagg aaccaaccac gacggagugc uccuauaaag gcgcgggucg    120
151 guaccagacg gcgugaggag cgggagagga agaggccucc gguugcaggu aagugcaaca    180
152 caaaaaaaga aaugcuguc uuuuauccag gaagggaaua uaagauagag ugggagaugg    240
153 gcgcgagaaa cuccgucuug uc                262
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 242
158 <212> TYPE: RNA
159 <213> ORGANISM: Artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
164 <400> SEQUENCE: 12
165 gcaggaaaau ccuagcaga uggcgccug aacagggacu ugaaggagag ugagagacuc    60
166 caccaaccac gacggagugc uccuauaaag gcgcgggucg guaccagacg gcgugaggag    120
167 cgggagagga agaggccucc gguugcaggu aagugcaaca caaaaaaaga aaugcuguc    180
168 uuuuauccag gaagggaaua uaagauagag ugggagaugg gcgcgagaaa cuccgucuug    240
169 uc                242
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 229
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
180 <400> SEQUENCE: 13
181 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug    60
182 aaggcaguaa gggcggcagg aaccaaccac gacggaggcg ugaggagcgg gagaggaaga    120
183 ggcucccggu ugcagguaag ugcaacacaa aaaaagaaau agcugucuuu uauccaggaa    180
184 gggauaaua gauagagugg gagaugggcg cgagaaacuc cgucuuguc    229
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 209
189 <212> TYPE: RNA
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: mutated SIV
195 <400> SEQUENCE: 14
196 agauuggcgc cugaacaggg acuugaagga gagugagaga cuccugagua cggcugagug    60
197 aaggcaguaa gggcggcagg aaccaaccac gacggagugc uccuauaaag gcgcgggucg    120
198 guaccagacg gcgugaggag cgggagagga agaggccucc gguugcaggu aagugcaagu    180
199 gggagauggg cgcgagaaac uccgucuug    209
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 233
204 <212> TYPE: RNA

```

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205 &lt;213&gt; ORGANISM: Artificial sequence

207 &lt;220&gt; FEATURE:

208 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: mutated SIV

210 &lt;400&gt; SEQUENCE: 15

211	agauuggcgc	cugaacaggg	acuugaagga	gagugagaga	cuccugagua	cggcugagug	60
212	aaggcaguaa	gggcggcagg	aaccaaccac	gacggagugc	uccuauaaag	gcgcgggucg	120
213	guaccagacg	gcgugaggag	cgggagagga	agaggccucc	gguggcaggu	aagugcaaca	180
214	caaaaaaaga	aaauagagug	ggagaugggc	gcgaauggaa	acuccgucuu	guc	233

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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number